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(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL];  
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **SMINK, Jouke**  
[NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) Agent: **COHEN, Julius, S.**; Philips Intellectual Property & Standards, Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

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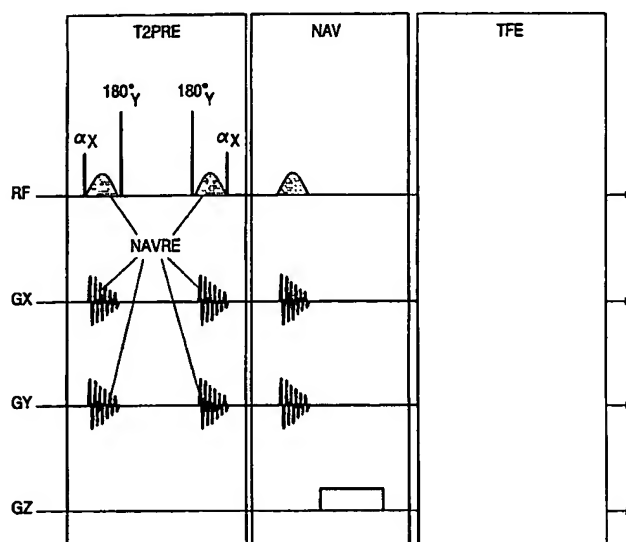
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[Continued on next page]

(54) Title: **MAGNETIC RESONANCE METHOD AND DEVICE**



(57) Abstract: The invention relates to a method for magnetic resonance imaging (MRI) of at least a portion of a body placed in a stationary and substantially homogeneous main magnetic field. According to this method, the portion of the body is initially subjected to a  $T_2$ -preparation sequence (T2PRE). Thereafter, a 2D navigator sequence (NAV) is applied and an MR navigator signal is measured. A series of MR imaging signals is subsequently generated by an imaging sequence (TFE). These MR imaging signals are measured for reconstructing an MR image therefrom. In order to provide a  $T_2$ -weighted imaging, which gives a high  $T_2$  contrast and also guarantees a faultless functioning of the navigator, the invention proposes to apply a 2D navigator restore sequence (NAVRE) prior to irradiation of the 2D navigator sequence (NAV).

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